

## CLAIMS

I claim:

1. A method for curing an UV curable product, article, ink coating or adhesive  
5 in or on a disk including the step of: causing relative rotational movement between an array of UV-LED chips mounted on a panel and a disk containing the UV curable product, article, ink coating or adhesive.
2. The method of claim 1, wherein the disk is rotated relative to a substantially  
10 fixed panel mounting an array of UV-LED chips.
3. The method of claim 1, wherein a panel mounting the array of UV-LED  
chips is rotated relative to the disk having the UV curable product, article, ink  
coating or adhesive therein or thereon.  
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4. The method of claim 1 including the step of arranging the UV-LED chips in  
an offset staggered array on at least one panel.
5. The method of claim 1 including the step of positioning a glass or plastic  
20 sheet or plate between the array of UV-LED chips and the disk to help protect the UV-LED chips from splatter of liquid containing UV photo initiators.
6. The method of claim 1 including the step of arranging an auxiliary array of  
UV-LED chips at the periphery of the disk for emitting UV light at the disk form a  
25 side of the disk.
7. The method of claim 6 including the step of arranging a glass or plastic  
sheet or plate between the array of UV-LED chips and the disk to help protect the  
UV-LED chips from splatter of liquid containing UV photo initiators.  
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8. An apparatus for applying UV light to UV photo initiators in an UV curable  
product, article, ink coating or adhesive in or on a disk-shaped product comprising:  
at least one elongated panel mounting an array of UV-LED chips; and

a motor operatively associated with said panel for causing relative rotation between said panel and the disk-shaped product to be cured.

9. The apparatus of claim 8, comprising four elongated panels each containing  
5 an array of UV-LED chips, and said panels being arranged in a generally + pattern relative to the disk-shaped product to be cured.

10. The apparatus of claim 8, comprising a generally cylindrical pad for  
10 supporting the disk-shaped product, and said cylindrical pad being operatively connected to and rotated by said motor.

11. The apparatus of claim 10, wherein UV-LED chips are arranged in an offset staggered array on at least one panel.

12. The apparatus of claim 10, including a liquid dispensing device for  
15 dispensing a liquid having a photo initiator therein onto the surface of a rotating disk-shaped product at a point near the center of the disk so that centrifugal force causes the liquid to move radially, outwardly from the point of dispensing to an outer periphery of the disk-shaped product.

20 13. The apparatus of claim 10, wherein a glass or plastic sheet or plate is positioned between the array of UV-LED chips and the disk-shaped product to help protect the UV-LED chips from splatter of liquid containing UV photo initiators.

25 14. The apparatus of claim 8, comprising at least one generally horizontal panel positioned adjacent the disk-shaped, said horizontal panel being operatively connected to and rotated by said motor.

30 15. The apparatus of claim 14, wherein UV-LED chips are arranged in an offset staggered array on at least one panel.

16. The apparatus of claim 14, comprising four substantially horizontal panels containing an array of UV-LED chips, said horizontal panel being arranged in a generally cross-shaped pattern relative to the disk-shaped product to be cured.

17. The apparatus of claim 14, wherein a shield selected from the group consisting of a glass sheet, plastic sheet, and plate, is positioned between the array of UV-LED chips and the disk-shaped product to help protect the UV-LED chips from splatter of liquid containing UV photo initiators.

18. The apparatus of claim 14, wherein said motor comprises a shaft operatively connected to at least one panel containing the array of UV-LED chips adjacent a disk-shaped product.

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19. The apparatus of claim 8, including an auxiliary array of UV-LED chips arranged at the periphery of the disk-shaped product for emitting UV light at the disk-shaped product from a side of the disk-shaped product.

15 20. The apparatus of claim 19, including a shield selected from the group consisting of a glass sheet, plastic sheet, and plate, positioned between the auxiliary array of UV-LED chips and the disk-shaped product to help protect the UV-LED chips from splatter of liquid containing UV photo initiators.